



IFW

# Electronic Filing System (EFS) Data

## Electronic Patent Application Submission

### USPTO Use Only

EFS ID: 62543  
Application ID: 10637098  
Title of Invention: WAVE ANTENNA WIRELESS  
COMMUNICATION DEVICE  
First Named Inventor: IAN FORSTER  
Domestic/Foreign Application: Domestic Application  
Filing Date: 2003-08-08  
Effective Receipt Date: 2004-06-14  
Submission Type: Information Disclosure  
Statement  
Filing Type:  
Confirmation number: 5015  
Attorney Docket Number: 4579-154E  
Total Fees Authorized: 180.0  
Payment Category: Credit Card  
Credit Card Number: \*\*\*\*1002  
Expiration Date: 04302007  
Card Holder Name: BENJAMIN S WITHROW  
Postal Code: 27511  
RAM Payment Status: RAM success  
RAM User ID: EFSPROD  
RAM Accounting Date: 2004-06-14  
RAM Sequence Number: 1040811



Digital Certificate Holder: cn=Steven Terranova,ou=Registered Attorneys,ou=Patent and Trademark  
Office,ou=Department of Commerce,o=U.S. Government,c=US  
Certificate Message Digest: 53e603a6c00fbfb432cfe2ff64dba469e8b8079

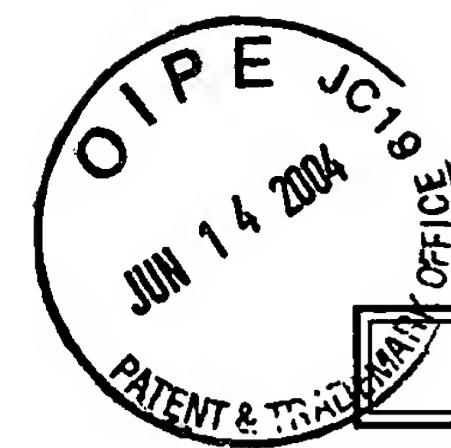


## TRANSMITTAL

Electronic Version v1.1  
Stylesheet Version v1.1.0

Title of Invention	WAVE ANTENNA WIRELESS COMMUNICATION DEVICE	
Application Number:	10/637098	
Date:	2003-08-08	
First Named Applicant:	IAN JAMES FORSTER	
Confirmation Number:	5015	
Attorney Docket Number:	4579-154E	
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>		
Submitted by:	Elec. Sign.	Sign. Capacity
STEVEN N TERRANOVA Registered Number: 43185	/STEVEN N TERRANOVA/	Attorney
Documents being submitted	Files	
us-fee-sheet	4579-154Eids-usfees.xml	
	us-fee-sheet.xls	
	us-fee-sheet.dtd	
us-ids	4579-154Eids-usidst.xml	
	us-ids.dtd	
	us-ids.xls	

**Comments**



## FEE TRANSMITTAL

Electronic Version v08  
Stylesheet Version v08.0

Title of  
Invention

WAVE ANTENNA WIRELESS COMMUNICATION DEVICE

Application Number: 10/637098



Date: 2003-08-08

First Named Applicant: IAN JAMES FORSTER

Attorney Docket Number: 4579-154E

Art Unit: 2821

Examiner: THO G PHAN

## TOTAL FEE AUTHORIZED \$180

Patent fees are subject to annual revisions on or about October 1st of each year.

### BASIC FILING FEE

Fee Description	Fee Code	Amount \$	Fee Paid \$
Submission Of Information Disclosure Stmt Fee	1806	180	180

### AUTHORIZED BILLING INFORMATION

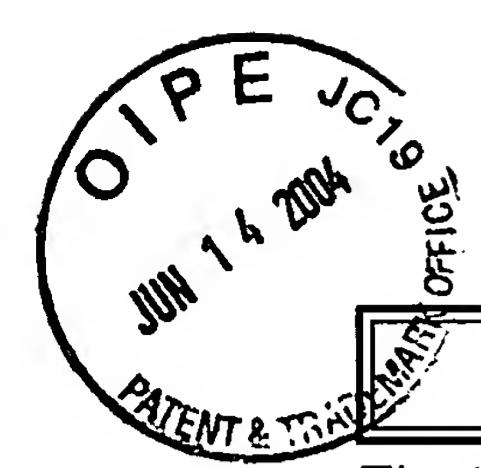
The commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Credit account number: 1002

Expiration Date (YYYYMMDD): 2007-04-30

Authorized name: BENJAMIN S WITHROW

Billing address: 27511



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18  
Stylesheet Version v18.0

Title of Invention	WAVE ANTENNA WIRELESS COMMUNICATION DEVICE						
Application Number:	10/637098 						
Confirmation Number:	5015						
First Named Applicant:	IAN FORSTER						
Attorney Docket Number:	4579-154E						
Art Unit:	2821						
Examiner:	THO G PHAN						
Search string:	( 5181975 or 5218861 or 5319354 or 5479171 or 5554242 or 5731754 or 5833603 or 5959524 or 5961215 or 5972156 or 6016127 or 6130602 or 6140974 or 6208244 or 6257289 or 6272936 or 6299349 or 6388567 or 6463798 or 6474380 or 6630910 or 5347280 or 20020066506 or 20020075145 or 20020088517 or 20020093422 or 20020116992 or 20020126005 or 20020140574 or 20020190852 or 20020190853 or 20030005760 ).pn.						
<b>US Patent Documents</b>							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5181975	1993-01-26	POLLACK ET AL	152	152.1	
	2	5218861	1993-06-15	BROWN ET AL	73	146.5	
	3	5319354	1994-06-07	MYATT	340	572	
	4	5479171	1995-12-26	SCHUERMANN	342	44	
	5	5554242	1996-09-10	BROWN ET AL.	156	111	
	6	5731754	1998-03-24	LEE JR. ET AL.	340	447	
	7	5833603	1998-11-10	KOVACS ET AL.	600	317	
	8	5959524	1999-09-28	WIENAND ET AL.	338	28	
	9	5961215	1999-10-05	LEE ET AL.	374	178	
	10	5972156	1999-10-26	BRADY ET AL.	156	280	
	11	6016127	2000-01-18	CASIOLA ET AL	343	731	

	12	6130602	2000-10-10	OTTOOLE ET AL		340	10.33
	13	6140974	2000-10-31	DALLEY		343	806
	14	6208244	2001-03-27	WILSON ET AL.		340	447
	15	6257289	2001-07-10	TOMITA ET AL		152	152.1
	16	6272936	2001-08-14	OREPER ET AL		73	862.621
	17	6299349	2001-10-09	STEINEL ET AL		374	143
	18	6388567	2002-05-14	BOHM ET AL		340	442
	19	6463798	2002-10-15	NEIKERK ET AL		73	146.2
	20	6474380	2002-11-05	RENSEL ET AL		152	152.1
	21	6630910	2003-10-07	FORSTER ET AL		343	806
	22	5347280	1994-09-13	SCHUERMANN		342	42

## US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

Init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20020066506	2002-06-06	WILSON		152	152
	2	20020075145	2002-06-20	HARDMAN ET AL		340	442
	3	20020088517	2002-07-11	SHIMURA		152	152.1
	4	20020093422	2002-07-18	SHIMURA		340	447
	5	20020116992	2002-08-29	RICKEL		73	146
	6	20020126005	2002-09-12	HARDMAN ET AL		340	442
	7	20020140574	2002-10-03	STARKEY ET AL		340	870.16
	8	20020190852	2002-12-19	LIN		340	445
	9	20020190853	2002-12-19	NIGON ET AL		340	448
	10	20030005760	2003-01-09	BULST ET AL		73	146

Signature

Examiner Name	Date